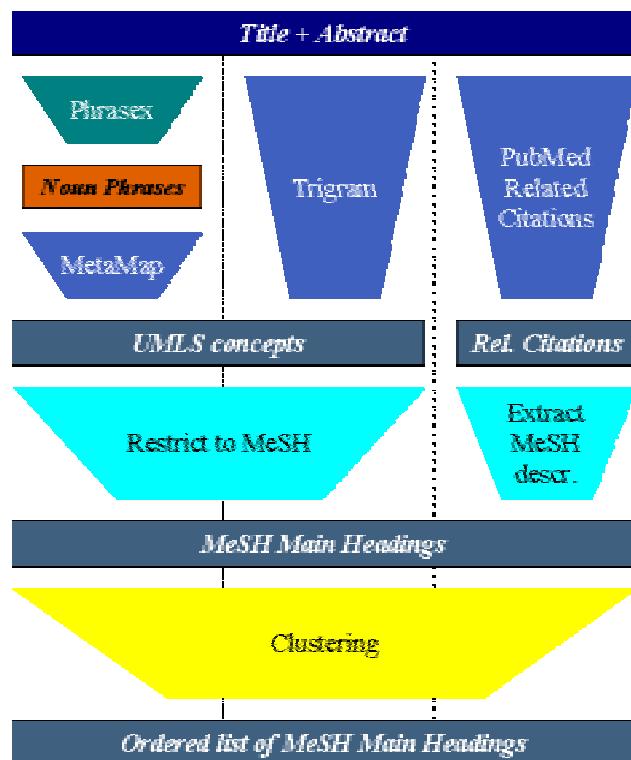


Indexing Initiative System (IIS)



Substitution Rules and Lookup Lists

Rules for MH, CT, and SH substitutions

Rules (in order of implementation):

1) The following are done as we process the results from the various paths:

if concept is "Men", "Women", or "Patients" AND recommendation was from MetaMap,
then add CT of Human. (check_excluded_terms)

if concept is "Men" AND recommendation was from MetaMap, then add CT of Male.

if concept is "Women" AND recommendation was from MetaMap, then add CT of Female.

2) Two different boosting schemes are used and are applied after the initial scoring has been completed for a given citation and just prior to completing any tweaks and displaying the results:

a) Emphasize Titles:

Terms which are found to be in the Title section of the processed citation have their score multiplied by 2 currently.

b) Float Chemicals (NMs):

Terms which have been identified as NMs are given the score of the highest scoring MH in our list of recommendations. This has the effect of forcing all NMs to be in the list of recommendations that we present to the user.

3) The remaining rules are handled after all of the tweaks are done and only to items we are planning on recommending to the user.

MH/SW substitutions are performed on the recommended terms as noted in the MH/SW Substitution List.

if CUI = C0042542 (Vero Cells), then add MH+ of Cercopithecus aethiops.

if CUI = C0085080 (Chinese hamster ovary cell), then add CT of Hamster AND Animal.

if CUI is in Adolescence list, then add CT of Adolescence AND CT of Human.

if CUI is in Aged list, then add CT of Aged AND CT of Human.

if CUI is in Animal list, then add CT of Animal.

if CUI is in Cattle list, then add CT of Cattle AND CT of Animal.

if CUI is in Cat list, then add CT of Cat AND CT of Animal.

if CUI is in Dog list, then add CT of Dog AND CT of Animal.

if CUI is in Female list, then add CT of Female.

if CUI is in Human list, then add CT of Human.

if CUI is in Newborn list, then add CT of Infant, Newborn AND CT of Human.

if CUI is in Male list, then add CT of Male.

if CUI is in Pregnant list, then add CT of Pregnancy AND if Female hasn't already been added, add Female.

if CUI is in Mice list and recommendation is from MetaMap, then add CT of Mice AND Animal.

if CUI is in Rats list and recommendation is from MetaMap, then add CT of Rats AND Animal.

if CUI is in Sheep list and recommendation is from MetaMap,
then add MH+ of Sheep AND CT of Animal.

if CUI is in Swine list and recommendation is from MetaMap,
then add MH+ of Swine AND CT of Animal.

Rules for MH, CT, and SH substitutions

if CUI is in United States list and recommendation is from MetaMap, then add MH+ of United States.

if Male CT not used AND this concept has a tree code found in the Male tree list, add CT of Male.

if Mice CT not used AND recommendation is from MetaMap, AND this concept has a tree code found in the Mice tree list, add CT of Mice AND add CT of Animal.

if Rat CT not used AND recommendation is from MetaMap, AND this concept has a tree code found in the Rat tree list, add CT of Rat AND add CT of Animal.

if Female CT not used AND this concept has a tree code found in the Female tree list, add CT of Female.

if Pregnancy CT not used AND this concept has a tree code found in the Pregnancy tree list, add CT of Pregnancy AND add CT of Female.

if Infant, Newborn CT not used AND this concept has a tree code found in the Newborn tree list, add CT of Infant, Newborn AND add CT of Human.

if Animal CT not used AND this concept has a tree code found in the Animal tree list, add CT of Animal.

if Aged CT not used AND this concept has a tree code found in the Aged tree list, add CT of Aged AND add CT of Human.

if Human CT not used AND this concept has a tree code found in the Human tree list, add CT of Human.

if Hamster CT not used AND recommendation is from MetaMap, AND this concept has a tree code found in the Hamster tree list, add CT of Hamster AND add CT of Animal.

if United States MH+ not used AND this concept has a tree code found in the United States tree list, add MH+ of United States.

if the concept's tree code is in "G05", add SH "genetics"

else if the concept's tree code is in "G04.610", add SH "immunology"

else if the concept's tree code is in "G03.850.310", add SH "transmission"

else if the concept's tree code is in "G12.091.690.140", add SH "pharmacokinetics"

else if the concept's tree code is in "G04.185.515.880", add SH "virology"

else if the concept's tree code is in "E01.370.350.700", add SH "radiography"

else if the concept's tree code is in "E01.370.384.730", add SH "radionuclide imaging"

else if the concept's tree code is in "E01.370.350.850", add SH "ultrasonography"

else if the concept's tree code is in "E02.810" AND NOT in "E02.810.530", add SH "radiotherapy"

else if the concept's tree code is in "E02.831", add SH "rehabilitation"

else if the concept's tree code is in "E04.936", add SH "transplantation"

else if the concept's tree code is in "E04" AND NOT in "E01", add SH "surgery"

else if the concept's tree code is in "N03.219", add SH "economics"

Rules for MH, CT, and SH substitutions

- 4) Terms explicitly excluded from including:

TEST
Comparative Study
Case Report
Disease
[Publication Type]
Role when recommended by Related Citations (check_exclude_terms)

- 5) Terms explicitly added back in “below the line”:

These are terms deemed “special” by the program and include MHs that are out of the scope of our normal recommendation scoring by virtue of being scored lower than topN (number of items requested for viewing by the user). They must also have a tree code that falls within one of the following trees: “Z01” [except Z01.433 (Cities) and Z01.586 (Historical Geographic Locations)], “E05.318.760.500” (Epidemiologic Studies), and “G03.850.520.835.500” (Epidemiologic Studies).

- 6) SH terms are only displayed if they are in the topN (number of items requested for viewing by the user) and their score is greater than 200, OR when they are substituted for one of the MHs found in the “MH/SH Substitution List”.

Lookup lists used by the Indexing Initiative Tool

Adolescence (6):

- 1) C0001580 - Adolescent Behavior
 - 2) C0001585 - Adolescent, Hospitalized
 - 3) C0001586 - Adolescent, Institutionalized
 - 4) C0032968 - Pregnancy in Adolescence
 - 5) C0085100 - Adolescent Health Services
 - 6) C0162630 - Adolescent Nutrition
-

Aged (5):

- 1) C0001795 - Aged, 80 and over
 - 2) C0013772 - Elder Abuse
 - 3) C0018753 - Health Services for the Aged
 - 4) C0019870 - Homes for the Aged
 - 5) C0079204 - Dental Care for Aged
-

Aged Trees (1):

M01.060.116.100

Animal (206):

- 1) C0000780 - Abomasum
- 2) C0000823 - Abortion, Veterinary
- 3) C0001247 - Actinobacillosis
- 4) C0001748 - African Horse Sickness
- 5) C0001752 - African Swine Fever
- 6) C0001878 - Air Sacs
- 7) C0002016 - Aleutian Mink Disease
- 8) C0002757 - Anal Gland Neoplasms
- 9) C0002759 - Anal Sacs
- 10) C0002797 - Anaplasmosis
- 11) C0003046 - Animal Communication
- 12) C0003047 - Animal Diseases
- 13) C0003054 - Animal Nutrition
- 14) C0003452 - Antlers
- 15) C0004421 - Avian Leukosis
- 16) C0004426 - Sarcoma, Avian
- 17) C0004576 - Babesiosis
- 18) C0004895 - Beak
- 19) C0004935 - Behavior, Animal
- 20) C0005591 - Bird Diseases
- 21) C0005866 - Bluetongue
- 22) C0006008 - Border Disease
- 23) C0006023 - Born Disease
- 24) C0006075 - Bovine Virus Diarrhea-Mucosal Disease
- 25) C0006311 - Brucellosis, Bovine
- 26) C0006440 - Bursa of Fabricius
- 27) C0007098 - Carcinoma 256, Walker
- 28) C0007122 - Carcinoma, Brown-Pearce
- 29) C0007125 - Carcinoma, Ehrlich Tumor
- 30) C0007128 - Carcinoma, Krebs 2
- 31) C0007288 - Carpus, Animal
- 32) C0007350 - Cat Diseases
- 33) C0007450 - Cats
- 34) C0007452 - Cattle
- 35) C0007453 - Cattle Diseases
- 36) C0008046 - Chick Embryo
- 37) C0009424 - Comb and Wattles
- 38) C0009990 - Copulation
- 39) C0010085 - Corpora Allata
- 40) C0010352 - Crop, Avian
- 41) C0010418 - Cryptosporidiosis
- 42) C0011853 - Diabetes Mellitus, Experimental
- 43) C0012118 - Dictyocaulus Infections
- 44) C0012602 - Dirofilariasis
- 45) C0012754 - Distemper

Animal (continued):

- 46) C0012979 - Dog Diseases
- 47) C0012984 - Dogs
- 48) C0013076 - Dourine
- 49) C0013529 - Echolocation
- 50) C0013570 - Ecthyma, Contagious
- 51) C0013591 - Ectromelia, Infectious
- 52) C0013605 - Edema Disease of Swine
- 53) C0013702 - Egg Shell
- 54) C0013782 - Electric Organ
- 55) C0013897 - Eliminative Behavior, Animal
- 56) C0013940 - Embryo, Nonmammalian
- 57) C0014073 - Encephalomyelitis, Enzootic Porcine

Lookup lists used by the Indexing Initiative Tool

- 58) C0014342 - Enteritis, Transmissible, of Turkeys
59) C0014371 - Enterotoxemia
60) C0014481 - Ephemeral Fever
61) C0014521 - Epidermitis, Exudative, of Swine
62) C0014661 - Equine Infectious Anemia
63) C0014736 - Erysipelothrax Infections
64) C0015655 - Fascioloidiasis
65) C0015665 - Fat Body
66) C0015731 - Feathers
67) C0015765 - Feline Panleukopenia
68) C0016154 - Fish Diseases
69) C0016513 - Foot Rot
70) C0016514 - Foot-and-Mouth Disease
71) C0016555 - Forelimb
72) C0016627 - Fowl Plague
73) C0016629 - Fowlpox
74) C0016697 - Freemartinism
75) C0017162 - Gastroenteritis, Transmissible, of Swine
76) C0017558 - Gills
77) C0017584 - Gizzard
78) C0017589 - Glanders
79) C0018018 - Goat Diseases
80) C0018249 - Grooming
81) C0018382 - Guinea Pigs
82) C0018557 - Hamsters
83) C0018597 - Harderian Gland
84) C0018835 - Heartwater Disease
85) C0018891 - Helminthiasis, Animal
86) C0019051 - Hemolymph
87) C0019188 - Hepatitis, Animal
88) C0019191 - Hepatitis, Infectious Canine
89) C0019194 - Hepatitis, Viral, Animal
90) C0019549 - Hindlimb
91) C0019556 - Hip Dysplasia, Canine
92) C0019841 - Hog Cholera
93) C0019861 - Homing Behavior
94) C0019909 - Hoof and Claw
95) C0019939 - Horns
96) C0019940 - Horse Diseases
97) C0021334 - Infectious Bovine Rhinotracheitis
98) C0021800 - Interrenal Gland
99) C0022576 - Keratoconjunctivitis, Infectious
100) C0022976 - Lameness, Animal
101) C0023420 - Leukemia L1210
102) C0023421 - Leukemia L5178
103) C0023429 - Leukemia P388
104) C0023904 - Liver Neoplasms, Experimental
105) C0024003 - Lordosis
106) C0024025 - Louping Ill
107) C0024106 - Lumpy Skin Disease
108) C0024533 - Malaria, Avian
109) C0024587 - Malignant Catarrh
110) C0024648 - Malpighian Tubules
111) C0024659 - Mammae
112) C0024667 - Mammary Neoplasms
Animal (continued):
113) C0024668 - Mammary Neoplasms, Experimental
114) C0024788 - Marburg Virus Disease
115) C0024793 - Marek's Disease
116) C0024895 - Mastitis, Bovine
117) C0025864 - Metrial Gland
118) C0025914 - Mice
119) C0026131 - Milk
120) C0026414 - Monieziasis
121) C0026431 - Monkey Diseases
122) C0026851 - Muscular Dystrophy, Animal
123) C0027152 - Myxomatosis, Infectious
124) C0027345 - Nairobi Sheep Disease
125) C0027776 - Nesting Behavior
126) C0027983 - Newcastle Disease
127) C0028058 - Nictitating Membrane
128) C0028972 - Omasum
129) C0029129 - Optic Lobe
130) C0029954 - Oviducts
131) C0030209 - Pair Bond
132) C0030500 - Parasitic Diseases, Animal
133) C0030524 - Paratuberculosis
134) C0030612 - Parturient Paresis
135) C0031021 - Perianal Glands
136) C0032243 - Pleuropneumonia, Contagious
137) C0032291 - Pneumonia, Atypical Interstitial, of Cattle

Lookup lists used by the Indexing Initiative Tool

138) C0032306 - Pneumonia, Progressive Interstitial, of Sheep
139) C0032851 - Poultry Diseases
140) C0032942 - Predatory Behavior
141) C0033741 - Protozoan Infections, Animal
142) C0033745 - Proventriculus
143) C0033839 - Pseudorabies
144) C0034049 - Pulmonary Adenomatosis, Ovine
145) C0034493 - Rabbits
146) C0034531 - Radiation Injuries, Experimental
147) C0034693 - Rats
148) C0035295 - Reticulum
149) C0035613 - Rift Valley Fever
150) C0035637 - Rinderpest
151) C0035801 - Rodent Diseases
152) C0035946 - Rumen
153) C0036118 - Salmonella Infections, Animal
154) C0036139 - Salt Gland
155) C0036294 - Scent Glands
156) C0036457 - Scrapie
157) C0036850 - Setariasis
158) C0036865 - Sex Behavior, Animal
159) C0036946 - Sheep Diseases
160) C0036969 - Pasteurellosis, Pneumonic
161) C0038235 - Steatitis
162) C0038328 - Stifle
163) C0038360 - Stomach, Avian
164) C0038361 - Stomach, Ruminant
165) C0038459 - Strongyle Infections, Equine
166) C0038981 - Swayback
167) C0039006 - Swine Diseases
168) C0039007 - Swine Erysipelas
169) C0039010 - Swine Vesicular Disease
170) C0039259 - Tail
171) C0039325 - Tarsus, Animal
172) C0039753 - Theileriasis
173) C0040553 - Toxocariasis
174) C0040559 - Toxoplasmosis, Animal
175) C0041230 - Trypanosomiasis, Bovine
176) C0041306 - Tuberculosis, Avian
177) C0041307 - Tuberculosis, Bovine
178) C0041605 - Ultimobranchial Body
179) C0042465 - Venereal Tumors, Veterinary

Animal (continued):

180) C0042542 - Vero Cells
181) C0042567 - Vertebrates
182) C0042584 - Vesicular Exanthema of Swine
183) C0042640 - Vibrissae
184) C0042932 - Vocalization, Animal
185) C0043153 - White Muscle Disease
186) C0043189 - Wing
187) C0043220 - Wool
188) C0043528 - Zoonoses
189) C0079335 - Feline Acquired Immunodeficiency Syndrome
190) C0079864 - Murine Acquired Immunodeficiency Syndrome
191) C0080151 - Simian Acquired Immunodeficiency Syndrome
192) C0080323 - Visna
193) C0085164 - Leukemia, Feline
194) C0085165 - Enzootic Bovine Leukosis
195) C0085209 - Encephalopathy, Bovine Spongiform
196) C0085262 - PC12 Cells
197) C0085306 - Feline Infectious Peritonitis
198) C0206436 - Photoreceptors, Invertebrate
199) C0242598 - LLC-PK1 Cells
200) C0242634 - Primate Diseases
201) C0242635 - Ape Diseases
202) C0243038 - Carcinoma, Lewis Lung
203) C0376538 - Porcine Reproductive and Respiratory Syndrome
204) C0376702 - COS Cells
205) C0518461 - Grooming self-care
206) C0600243 - Home Range

Cattle (15):

1) C0006075 - Bovine Virus Diarrhea-Mucosal Disease
2) C0006311 - Brucellosis, Bovine
3) C0007453 - Cattle Diseases
4) C0014481 - Ephemeral Fever
5) C0016697 - Freemartinism
6) C0021334 - Infectious Bovine Rhinotracheitis
7) C0024106 - Lumpy Skin Disease

Lookup lists used by the Indexing Initiative Tool

- 8) C0024587 - Malignant Catarrh
 - 9) C0024895 - Mastitis, Bovine
 - 10) C0032291 - Pneumonia, Atypical Interstitial, of Cattle
 - 11) C0039753 - Theileriasis
 - 12) C0041230 - Trypanosomiasis, Bovine
 - 13) C0041307 - Tuberculosis, Bovine
 - 14) C0085165 - Enzootic Bovine Leukosis
 - 15) C0085209 - Encephalopathy, Bovine Spongiform
-

Cat (4):

- 1) C0007350 - Cat Diseases
 - 2) C0079335 - Feline Acquired Immunodeficiency Syndrome
 - 3) C0085164 - Leukemia, Feline
 - 4) C0085306 - Feline Infectious Peritonitis
-

Dog (3):

- 1) C0012979 - Dog Diseases
- 2) C0019191 - Hepatitis, Infectious Canine
- 3) C0019556 - Hip Dysplasia, Canine

Lookup lists used by the Indexing Initiative Tool

Female (171):

- 1) C0000806 - Abortion, Eugenic
- 2) C0000811 - Abortion, Induced
- 3) C0000812 - Abortion, Legal
- 4) C0000820 - Abortion, Therapeutic
- 5) C0001575 - Adnexa Uteri
- 6) C0001576 - Adnexal Diseases
- 7) C0001577 - Adnexitis
- 8) C0002453 - Amenorrhea
- 9) C0002935 - Anestrus
- 10) C0003128 - Anovulation
- 11) C0004768 - Bartholin's Glands
- 12) C0006205 - Broad Ligament
- 13) C0006852 - Candidiasis of vagina
- 14) C0007860 - Cervicitis
- 15) C0007867 - Cervix Diseases
- 16) C0007868 - Cervix Dysplasia
- 17) C0007869 - Cervix Erosion
- 18) C0007871 - Cervix Incompetence
- 19) C0007873 - Cervix Neoplasms
- 20) C0007874 - Cervix Uteri
- 21) C0007876 - Cesarean Section
- 22) C0008043 - Chiari-Frommel Syndrome
- 23) C0008984 - Clitoris
- 24) C0010092 - Corpus Luteum
- 25) C0010096 - Corpus Luteum Regression
- 26) C0011106 - Decidua
- 27) C0011209 - Delivery
- 28) C0012154 - Diestrus
- 29) C0012358 - Dilatation and Curettage
- 30) C0013390 - Dysmenorrhea
- 31) C0013394 - Dyspareunia
- 32) C0014170 - Endometrial Neoplasms
- 33) C0014173 - Endometrial Hyperplasia
- 34) C0014175 - Endometriosis
- 35) C0014179 - Endometritis
- 36) C0014180 - Endometrium
- 37) C0014586 - Episiotomy
- 38) C0014935 - Estrogen Replacement Therapy
- 39) C0014948 - Estrus
- 40) C0014950 - Estrus Synchronization
- 41) C0015362 - Extraction, Obstetrical
- 42) C0015556 - Fallopian Tube Diseases
- 43) C0015558 - Fallopian Tube Neoplasms
- 44) C0015560 - Fallopian Tubes
- 45) C0016426 - Follicular Atresia
- 46) C0016431 - Follicular Fluid
- 47) C0016434 - Follicular Phase
- 48) C0016722 - Frigidity
- 49) C0016941 - Galactorrhea
- 50) C0016999 - Gamete Intrafallopian Transfer
- 51) C0017411 - Genital Diseases, Female
- 52) C0017416 - Genital Neoplasms, Female
- 53) C0017421 - Genitalia, Female
- 54) C0018120 - Ovarian Follicle
- 55) C0018207 - Granulosa Cells
- 56) C0018414 - Gynatresia
- 57) C0018934 - Hematocolpos
- 58) C0018948 - Hematometra
- 59) C0019857 - Home Childbirth
- 60) C0020412 - Hymen
- 61) C0020699 - Hysterectomy
- 62) C0020700 - Hysterectomy, Vaginal
- 63) C0021361 - Infertility, Female
- 64) C0022783 - Kraurosis Vulvae
- 65) C0022875 - Labor, Induced
- 66) C0022925 - Lactation
- 67) C0022927 - Lactation Disorders

Female (continued):

- 68) C0023372 - Homosexuality, Female
- 69) C0023533 - Leukorrhea
- 70) C0024153 - Luteal Phase
- 71) C0024156 - Lutein Cells
- 72) C0024894 - Mastitis
- 73) C0024895 - Mastitis, Bovine
- 74) C0025184 - Meigs' Syndrome
- 75) C0025274 - Menarche
- 76) C0025320 - Menopause
- 77) C0025322 - Menopause, Premature
- 78) C0025323 - Menorrhagia
- 79) C0025329 - Menstrual Cycle

Lookup lists used by the Indexing Initiative Tool

- 80) C0025344 - Menstruation
81) C0025345 - Menstruation Disturbances
82) C0025597 - Metestrus
83) C0025874 - Metrorrhagia
84) C0026132 - Milk Ejection
85) C0027088 - Myometrium
86) C0027484 - Natural Childbirth
87) C0028949 - Oligomenorrhea
88) C0029051 - Oophoritis
89) C0029458 - Osteoporosis, Postmenopausal
90) C0029927 - Ovarian Cysts
91) C0029928 - Ovarian Diseases
92) C0029936 - Ovariectomy
93) C0029939 - Ovary
94) C0029957 - Oviposition
95) C0029965 - Ovulation
96) C0029976 - Ovum Implantation
97) C0029977 - Ovum Implantation, Delayed
98) C0029979 - Ovum Transport
99) C0030455 - Parametritis
100) C0030563 - Parity
101) C0030584 - Parovarian Cyst
102) C0032460 - Polycystic Ovary Syndrome
103) C0032797 - Postpartum Hemorrhage
104) C0032961 - Pregnancy
105) C0032986 - Pregnancy, Animal
106) C0033046 - Premenstrual Syndrome
107) C0033274 - Proestrus
108) C0033778 - Pruritus Vulvae
109) C0033831 - Pseudopregnancy
110) C0034040 - Puerperal Disorders
111) C0034041 - Puerperal Infection
112) C0034042 - Puerperium
113) C0034895 - Rectovaginal Fistula
114) C0035877 - Round Ligament
115) C0036130 - Salpingitis
116) C0036136 - Salpingostomy
117) C0037853 - Sperm-Ovum Interactions
118) C0038289 - Sterilization, Tubal
119) C0038835 - Superovulation
120) C0038902 - Gynecologic Surgical Procedures
121) C0038906 - Obstetric Surgical Procedures
122) C0039748 - Theca Cells
123) C0040923 - Trichomonas Vaginitis
124) C0041311 - Tuberculosis, Female Genital
125) C0042130 - Uterine Contraction
126) C0042131 - Uterine Diseases
127) C0042134 - Uterine Hemorrhage
128) C0042138 - Uterine Neoplasms
129) C0042139 - Uterine Perforation
130) C0042140 - Uterine Prolapse
131) C0042143 - Uterine Rupture
132) C0042149 - Uterus
133) C0042223 - Vacuum Curettage
134) C0042225 - Vacuum Extraction, Obstetrical
Female (continued):
135) C0042232 - Vagina
136) C0042251 - Vaginal Diseases
137) C0042253 - Vaginal Fistula
138) C0042258 - Vaginal Neoplasms
139) C0042261 - Vaginal Smears
140) C0042267 - Vaginitis
141) C0042556 - Version, Fetal
142) C0042582 - Vesicovaginal Fistula
143) C0042993 - Vulva
144) C0042994 - Vulvar Diseases
145) C0042995 - Vulvar Neoplasms
146) C0042996 - Vulvitis
147) C0042998 - Vulvovaginitis
148) C0043209 - Woman
149) C0043210 - Women
150) C0079341 - Circumcision, Female
151) C0080301 - Vaginal Birth after Cesarean
152) C0080339 - Women's Health
153) C0085076 - Mammoplasty
154) C0085083 - Ovarian Hyperstimulation Syndrome
155) C0085166 - Vaginosis, Bacterial
156) C0085215 - Ovarian Failure, Premature
157) C0162482 - Uterine Inversion
158) C0206076 - Reproductive History
159) C0206101 - Cesarean Section, Repeat

Lookup lists used by the Indexing Initiative Tool

160) C0206158 - Premenopause
161) C0206159 - Postmenopause
162) C0221074 - Depression, Postpartum
163) C0227791 - Vaginal Discharge
164) C0242810 - Battered Women
165) C0242836 - Pregnancy Reduction, Multifetal
166) C0243033 - Maternal Exposure
167) C0269886 - Inversion of uterus during delivery
168) C0269995 - Galactorrhea associated with childbirth
169) C0392535 - Diagnosis of induced abortion
170) C0496920 - Ovarian Neoplasms
171) C0600454 - Cervical Ripening

Female Trees (12):

A05.360.319
C13.371.56
C23.550.568
C13.371.852
C13.371.894
C13.371.944
C13.703.844.253
G08.520.440
G08.520.780.218
G08.520.882
E04.520
E04.950.300

Lookup lists used by the Indexing Initiative Tool

Human (27):

- 1) C0001578 - Adolescence
- 2) C0001587 - Adolescent
- 3) C0001675 - Adult
- 4) C0001792 - Aged
- 5) C0008059 - Child
- 6) C0008100 - Child, Preschool
- 7) C0016539 - Forefoot, Human
- 8) C0017429 - Genome, Human
- 9) C0018873 - Hela Cells
- 10) C0019874 - Hominiidae
- 11) C0021270 - Infant
- 12) C0021289 - Infant, Newborn
- 13) C0022539 - KB Cells
- 14) C0025266 - Men
- 15) C0026062 - Middle Age
- 16) C0029458 - Osteoporosis, Postmenopausal
- 17) C0030705 - Patients
- 18) C0043209 - Woman
- 19) C0043210 - Women
- 20) C0079204 - Dental Care for Aged
- 21) C0079377 - Frail Elderly
- 22) C0080339 - Women's Health
- 23) C0085429 - Koro
- 24) C0282549 - HL-60 Cells
- 25) C0282560 - Caco-2 Cells
- 26) C0282639 - HT29 Cells
- 27) C0376448 - Jurkat Cells

Human Trees (4):

A11.223.475.480
M01.060
A01.378.592.350.300
A01.378.592.350.510.800

Newborn (22):

- 1) C0002636 - Amniotic Band Syndrome
- 2) C0002891 - Anemia, Neonatal
- 3) C0004045 - Asphyxia Neonatorum
- 4) C0006287 - Bronchopulmonary Dysplasia
- 5) C0014761 - Erythroblastosis, Fetal
- 6) C0019088 - Hemorrhagic Disease of Newborn
- 7) C0020192 - Hyaline Membrane Disease
- 8) C0021290 - Infant, Newborn, Diseases
- 9) C0021295 - Infant, Premature, Diseases
- 10) C0021709 - Intensive Care Units, Neonatal
- 11) C0021711 - Intensive Care, Neonatal
- 12) C0022353 - Jaundice, Neonatal
- 13) C0023529 - Leukomalacia, Periventricular
- 14) C0025048 - Meconium Aspiration
- 15) C0027609 - Neonatal Abstinence Syndrome
- 16) C0027617 - Neonatal Screening
- 17) C0029076 - Ophthalmia Neonatorum
- 18) C0031190 - Persistent Fetal Circulation Syndrome
- 19) C0035220 - Respiratory Distress Syndrome
- 20) C0035344 - Retinopathy of Prematurity
- 21) C0036415 - Sclerema Neonatorum
- 22) C0079893 - Neonatal Nursing

Newborn Trees (2):

C16.614.521
M01.060.392.520.520

Lookup lists used by the Indexing Initiative Tool

Male (84):

- 1) C0001216 - Acrosome
- 2) C0004690 - Balanitis
- 3) C0006366 - Bulbourethral Glands
- 4) C0008819 - Circumcision
- 5) C0010417 - Cryptorchidism
- 6) C0013746 - Ejaculation
- 7) C0013747 - Ejaculatory Ducts
- 8) C0014533 - Epididymis
- 9) C0014534 - Epididymitis
- 10) C0017412 - Genital Diseases, Male
- 11) C0017417 - Genital Neoplasms, Male
- 12) C0017422 - Genitalia, Male
- 13) C0018418 - Gynecomastia
- 14) C0018931 - Hematocele
- 15) C0020252 - Hydrocele
- 16) C0020646 - Hypospadias
- 17) C0021116 - Impotence
- 18) C0021364 - Infertility, Male
- 19) C0023602 - Leydig Cells
- 20) C0025266 - Men
- 21) C0028960 - Oligospermia
- 22) C0029191 - Orchitis
- 23) C0030483 - Paraphimosis
- 24) C0030846 - Penile Diseases
- 25) C0030847 - Penile Erection
- 26) C0030848 - Penile Induration
- 27) C0030849 - Penile Neoplasms
- 28) C0030851 - Penis
- 29) C0031538 - Phimosis
- 30) C0033117 - Priapism
- 31) C0033572 - Prostate
- 32) C0033573 - Prostatectomy
- 33) C0033575 - Prostatic Diseases
- 34) C0033577 - Prostatic Hyperplasia
- 35) C0033578 - Prostatic Neoplasms
- 36) C0033581 - Prostatitis
- 37) C0034919 - Redundant prepuce and phimosis
- 38) C0035278 - Rete Testis
- 39) C0036471 - Scrotum
- 40) C0036628 - Seminal Vesicles
- 41) C0036629 - Seminiferous Epithelium
- 42) C0036630 - Seminiferous Tubules
- 43) C0036770 - Sertoli Cells
- 44) C0037839 - Sperm Agglutination
- 45) C0037840 - Sperm Banks
- 46) C0037841 - Sperm Capacitation
- 47) C0037842 - Sperm Count
- 48) C0037844 - Sperm Head
- 49) C0037846 - Sperm Maturation
- 50) C0037848 - Sperm Motility
- 51) C0037851 - Sperm Tail
- 52) C0037852 - Sperm Transport
- 53) C0037853 - Sperm-Ovum Interactions
- 54) C0037855 - Spermatic Cord
- 55) C0037856 - Spermatic Cord Torsion
- 56) C0037857 - Spermatids
- 57) C0037859 - Spermatocele
- 58) C0037863 - Spermatocytes
- 59) C0037864 - Spermatogenesis
- 60) C0037866 - Spermatogonia
- 61) C0037868 - Spermatozoa
- 62) C0038914 - Urologic Surgical Procedures, Male
- 63) C0039584 - Testicular Diseases
- 64) C0039585 - Testicular Feminization
- 65) C0039590 - Testicular Neoplasms
- 66) C0039597 - Testis
- 67) C0041317 - Tuberculosis, Male Genital

Male (continued):

- 68) C0042341 - Varicocele
- 69) C0042360 - Vas Deferens
- 70) C0042421 - Vasovasostomy
- 71) C0085429 - Koro
- 72) C0153604 - Malignant neoplasm of scrotum
- 73) C0242658 - Homosexuality, Male
- 74) C0242788 - Breast Neoplasms, Male
- 75) C0243000 - Impotence, Vascularogenic
- 76) C0243034 - Paternal Exposure
- 77) C0268896 - Disease of seminal vesicle
- 78) C0268919 - Disease of scrotum
- 79) C0345326 - Congenital phimosis

Lookup lists used by the Indexing Initiative Tool

- 80) C0403766 - Acquired phimosis
- 81) C0428003 - Sperm motility measurement
- 82) C0600338 - Sperm Number
- 83) C0678217 - Encounter due to sperm count
- 84) C0700113 - Epididymis disorders

Male Trees (8):

- A05.360.444.849
 - C12.294.365.700
 - C12.294.494
 - C12.294.565
 - C12.294.829
 - G08.520.310.760
 - A11.497.760
 - E04.950.774.860
-

Pregnant (88):

- 1) C0000786 - Abortion, Spontaneous
- 2) C0000809 - Abortion, Habitual
- 3) C0000810 - Abortion, Incomplete
- 4) C0000814 - Abortion, Missed
- 5) C0000817 - Abortion, Septic
- 6) C0000821 - Abortion, Threatened
- 7) C0000823 - Abortion, Veterinary
- 8) C0000832 - Abruptio Placentae
- 9) C0006157 - Breech Presentation
- 10) C0007871 - Cervix Incompetence
- 11) C0008493 - Hydatidiform Mole, Invasive
- 12) C0008495 - Chorioamnionitis
- 13) C0008497 - Choriocarcinoma
- 14) C0008509 - Chorionic Villi Sampling
- 15) C0010095 - Corpus Luteum Maintenance
- 16) C0013418 - Dystocia
- 17) C0013537 - Eclampsia
- 18) C0013927 - Embolism, Amniotic Fluid
- 19) C0015944 - Fetal Membranes, Premature Rupture
- 20) C0015958 - Fetofetal Transfusion
- 21) C0015959 - Fetomaternal Transfusion
- 22) C0017506 - Gestosis, EPH
- 23) C0018811 - Heart Rate, Fetal
- 24) C0019343 - Herpes Gestationis
- 25) C0020217 - Hydatidiform Mole
- 26) C0020224 - Polyhydramnios
- 27) C0020450 - Hyperemesis Gravidarum
- 28) C0022864 - Labor
- 29) C0022865 - Labor Complications
- 30) C0022868 - Labor Onset
- 31) C0022869 - Labor Presentation
- 32) C0022871 - Labor Stage, First
- 33) C0022872 - Labor Stage, Second
- 34) C0022873 - Labor Stage, Third
- 35) C0022876 - Labor, Premature

Pregnant (continued):

- 36) C0024929 - Maternal-Fetal Exchange
- 37) C0030612 - Parturient Paresis
- 38) C0032044 - Placenta Accreta
- 39) C0032045 - Placenta Diseases
- 40) C0032046 - Placenta Praevia
- 41) C0032051 - Placental Insufficiency
- 42) C0032058 - Placentation
- 43) C0032770 - Postimplantation Phase
- 44) C0032797 - Postpartum Hemorrhage
- 45) C0032914 - Pre-Eclampsia
- 46) C0032961 - Pregnancy
- 47) C0032962 - Pregnancy Complications
- 48) C0032963 - Pregnancy Complications, Cardiovascular
- 49) C0032964 - Pregnancy Complications, Hematologic
- 50) C0032965 - Pregnancy Complications, Infectious
- 51) C0032966 - Pregnancy Complications, Neoplastic
- 52) C0032968 - Pregnancy in Adolescence
- 53) C0032969 - Pregnancy in Diabetes
- 54) C0032971 - Pregnancy Maintenance
- 55) C0032972 - Pregnancy Outcome
- 56) C0032975 - Pregnancy Rate
- 57) C0032978 - Pregnancy Toxemias
- 58) C0032984 - Pregnancy, Abdominal
- 59) C0032986 - Pregnancy, Animal
- 60) C0032987 - Pregnancy, Ectopic

Lookup lists used by the Indexing Initiative Tool

- 61) C0032989 - Pregnancy, Multiple
- 62) C0032993 - Pregnancy, Prolonged
- 63) C0032994 - Pregnancy, Tubal
- 64) C0032995 - Pregnancy, Unwanted
- 65) C0033022 - Preimplantation Phase
- 66) C0033054 - Prenatal Exposure Delayed Effects
- 67) C0038822 - Superfecundation
- 68) C0040345 - Uterine Monitoring
- 69) C0040348 - Tocolysis
- 70) C0040862 - Trial of Labor
- 71) C0041182 - Trophoblastic Neoplasms
- 72) C0042130 - Uterine Contraction
- 73) C0042135 - Uterine Inertia
- 74) C0042143 - Uterine Rupture
- 75) C0079924 - Oligohydramnios
- 76) C0080265 - Ultrasonography, Prenatal
- 77) C0085207 - Diabetes, Gestational
- 78) C0085547 - Phenylketonuria, Maternal
- 79) C0162494 - Pregnancy Complications, Parasitic
- 80) C0162739 - HELLP Syndrome
- 81) C0206666 - Trophoblastic Tumor, Placental Site
- 82) C0242622 - Uteroplacental Circulation
- 83) C0242669 - Placenta, Retained
- 84) C0242786 - Pregnancy, High-Risk
- 85) C0242836 - Pregnancy Reduction, Multifetal
- 86) C0342008 - Amniotic fluid pulmonary embolism
- 87) C0600107 - Incomplete legal abortion
- 88) C0600454 - Cervical Ripening

Pregnant Trees (9):

G08.520.769.326.200
G08.520.769.362
G08.520.840
C13.703.039
C13.703.590
C13.703.634
C13.703.733
C13.703.799
G09.330.612.509.430

Lookup lists used by the Indexing Initiative Tool

Sheep (5):

- 1) C0027345 - Nairobi Sheep Disease
 - 2) C0032306 - Pneumonia, Progressive Interstitial, of Sheep
 - 3) C0034049 - Pulmonary Adenomatosis, Ovine
 - 4) C0036946 - Sheep Diseases
 - 5) C0038981 - Swayback
-

Swine (13):

- 1) C0001752 - African Swine Fever
 - 2) C0013605 - Edema Disease of Swine
 - 3) C0014073 - Encephalomyelitis, Enzootic Porcine
 - 4) C0014521 - Epidermitis, Exudative, of Swine
 - 5) C0017162 - Gastroenteritis, Transmissible, of Swine
 - 6) C0019841 - Hog Cholera
 - 7) C0039006 - Swine Diseases
 - 8) C0039007 - Swine Erysipelas
 - 9) C0039010 - Swine Vesicular Disease
 - 10) C0039011 - Swine, Miniature
 - 11) C0042584 - Vesicular Exanthema of Swine
 - 12) C0242598 - LLC-PK1 Cells
 - 13) C0376538 - Porcine Reproductive and Respiratory Syndrome
-

United States (54):

- 1) C0002455 - American Cancer Society
- 2) C0002456 - American Dental Association
- 3) C0002458 - American Heart Association
- 4) C0002459 - American Hospital Association
- 5) C0002461 - American Medical Association
- 6) C0002463 - American Nurses' Association
- 7) C0007670 - Centers for Disease Control and Prevention (U.S.)
- 8) C0009434 - Commission on Professional and Hospital Activities
- 9) C0018727 - Health Planning
- 10) C0018763 - Health Systems Agencies
- 11) C0018764 - Health Systems Plans
- 12) C0020007 - Hospitals, Federal
- 13) C0020012 - Hospitals, Military
- 14) C0021621 - Institute of Medicine (U.S.)
- 15) C0022405 - Joint Commission on Accreditation of Healthcare Organizations
- 16) C0025071 - Medicaid
- 17) C0025140 - MEDLARS
- 18) C0025141 - MEDLINE
- 19) C0027446 - National Academy of Sciences (U.S.)
- 20) C0027447 - National Center for Health Care Technology
- 21) C0027450 - National Center for Health Statistics (U.S.)
- 22) C0027454 - National Health Insurance, United States
- 23) C0027456 - National Health Planning Information Center
- 24) C0027463 - National Institute for Occupational Safety and Health
- 25) C0027466 - National Institute of Mental Health (U.S.)
- 26) C0027468 - National Institutes of Health (U.S.)
- 27) C0027470 - National Library of Medicine (U.S.)
- 28) C0031826 - Physician Payment Review Commission
- 29) C0033518 - Prospective Payment Assessment Commission
- 30) C0038192 - State Health Planning and Development Agencies
- 31) C0038194 - State Health Plans
- 32) C0041704 - United States Substance Abuse and Mental Health Services Administration
- 33) C0041711 - United States Dept. of Health and Human Services
- 34) C0041712 - United States Environmental Protection Agency
- 35) C0041713 - United States Federal Trade Commission
- 36) C0041714 - United States Food and Drug Administration
- 37) C0041718 - United States Health Care Financing Administration
- 38) C0041720 - United States Health Resources and Services Administration
- 39) C0041731 - United States Occupational Safety and Health Administration
- 40) C0041732 - United States Office of Economic Opportunity
- 41) C0041733 - United States Office of Technology Assessment

United States (continued):

- 42) C0041734 - United States Public Health Service
- 43) C0041735 - United States Department of Veterans Affairs
- 44) C0078936 - American Speech-Language-Hearing Association
- 45) C0080268 - United States Agency for Health Care Policy and Research
- 46) C0085141 - United States Indian Health Service
- 47) C0085291 - National Practitioner Data Bank
- 48) C0085410 - United States Department of Agriculture
- 49) C0206601 - United States Office of Research Integrity
- 50) C0242776 - United States National Aeronautics and Space Administration
- 51) C0282438 - Consensus Development Conferences, NIH
- 52) C0282680 - United States Social Security Administration
- 53) C0376631 - Employee Retirement Income Security Act

Lookup lists used by the Indexing Initiative Tool

54) C0600418 - Patient Self-Determination Act

United States Trees (4):

N03.540.427.300
N03.540.452.508
N03.540.427.550
N03.219.521.576.343.840

Mice (28):

- 1) C0022827 - L Cells (Cell Line)
- 2) C0025917 - Mice, Inbred A
- 3) C0025918 - Mice, Inbred AKR
- 4) C0025919 - Mice, Inbred BALB C
- 5) C0025920 - Mice, Inbred C3H
- 6) C0025921 - Mice, Inbred C57BL
- 7) C0025922 - Mice, Inbred CBA
- 8) C0025923 - Mice, Inbred DBA
- 9) C0025924 - Mice, Inbred HRS
- 10) C0025925 - Mice, Inbred ICR
- 11) C0025926 - Mice, Inbred NZB
- 12) C0025927 - Mice, Inbred Strains
- 13) C0025928 - Mice, Jimpy
- 14) C0025930 - Mice, Mutant Strains
- 15) C0025931 - Mice, Neurologic Mutants
- 16) C0025932 - Mice, Nude
- 17) C0025933 - Mice, Obese
- 18) C0025934 - Mice, Quaking
- 19) C0025936 - Mice, Transgenic
- 20) C0085087 - 3T3 Cells
- 21) C0085112 - Mice, SCID
- 22) C0085243 - Mice, Inbred NOD
- 23) C0206535 - Mice, Inbred mdx
- 24) C0206610 - Mice, Inbred CFTR
- 25) C0206745 - Mice, Knockout
- 26) C0242854 - Mice, Inbred SENCAR
- 27) C0376632 - Mice, Inbred MRL lpr
- 28) C0600530 - Mice, Congenic

Mice Trees (2):

B02.649.865.635.500.380
B02.649.865.635.500.440

Lookup lists used by the Indexing Initiative Tool

Rats (22):

- 1) C0034694 - Rats, Brattleboro
- 2) C0034696 - Rats, Gunn
- 3) C0034698 - Rats, Inbred ACI
- 4) C0034699 - Rats, Inbred BB
- 5) C0034700 - Rats, Inbred BN
- 6) C0034701 - Rats, Inbred BUF
- 7) C0034703 - Rats, Inbred F344
- 8) C0034704 - Rats, Inbred Lew
- 9) C0034705 - Rats, Inbred SHR
- 10) C0034706 - Rats, Inbred Strains
- 11) C0034707 - Rats, Inbred WF
- 12) C0034709 - Rats, Inbred WKY
- 13) C0034711 - Rats, Mutant Strains
- 14) C0034713 - Rats, Nude
- 15) C0034715 - Rats, Sprague-Dawley
- 16) C0034716 - Rats, Wistar
- 17) C0034719 - Rats, Zucker
- 18) C0085262 - PC12 Cells
- 19) C0324537 - Rats, Long-Evans
- 20) C0600533 - Rats, Inbred Dahl
- 21) C0600547 - Rats, Inbred LEC
- 22) C0600548 - Rats, Inbred OLETF

Rat Trees (2):

B02.649.865.635.560.500
B02.649.865.635.560.610

Hamster Trees (1):

B02.649.865.635.325

Lookup lists used by the Indexing Initiative Tool

MH/SH Substitution List:

MH	SH
Abnormalities	abnormalities
Allergy and Immunology	immunology
Blood	blood
Blood Circulation	blood supply
Cerebrospinal Fluid	cerebrospinal fluid
Chemistry	chemistry
Chemistry, Analytical	analysis
Classification	classification
Cytology	cytology
Deficiency Diseases	deficiency
Diagnosis	diagnosis
Diet Therapy	diet therapy
Disease Transmission	transmission
Drug Therapy	drug therapy
Economics	economics
Education	education
Embryology	embryology
Enzymes	enzymology
Epidemiology	epidemiology
Equipment and Supplies	instrumentation
Ethnology	ethnology
Genetics	genetics
Health Manpower	manpower
History	history
Metabolism	metabolism
Methods	methods
Microbiology	microbiology
Mortality	mortality
Neoplasm Metastasis	secondary
Nursing	nursing
Nursing Care	nursing
Organization and Administration	organization & administration
Parasitology	parasitology
Pathology	pathology
Pharmacokinetics	pharmacokinetics
Pharmacology	pharmacology
Physiology	physiology
Poisoning	poisoning
Preventive Medicine	prevention & control
Psychology	psychology
Radiation Effects	radiation effects
Radiography	radiography
Radionuclide Imaging	radionuclide imaging
Radiotherapy	radiotherapy
Rehabilitation	rehabilitation
Statistics	statistics & numerical data
Surgery	surgery
Surgical Procedures, Operative	surgery
Therapeutics	therapy
Toxicology	toxicity
Transplantation	transplantation
Ultrasonography	ultrasonography
Urine	urine
Veterinary Medicine	veterinary
Virology	virology